

Claims:

[Claim 1]

A semiconductor device comprising:

a substrate;

5 a pixel portion over the substrate;

a driving circuit over the substrate; and

an integrated circuit at least partially overlapped the driving circuit.

[Claim 2]

The semiconductor device according to claim 1,

10 wherein the integrated circuit includes any one of a display controller, a frame memory, a power source circuit, a CPU and a memory.

[Claim 3]

The semiconductor device according to claim 1,

15 wherein the pixel portion includes any one of a light-emitting element and a liquid crystal element.

[Claim 4]

The semiconductor device according to claim 1,

wherein the pixel portion includes a light-emitting element having a first electrode, an electroluminescent layer and a second electrode, and

20 wherein the first electrode and the second electrode have the translucency.

[Claim 5]

The semiconductor device according to claim 1,

wherein the semiconductor device is any one of an active matrix type semiconductor device and a passive matrix type semiconductor device.

25 [Claim 6]

An electronic device comprising the semiconductor device according to claim 1,

wherein the electronic device is any one of a group comprising a display device, a note type personal computer, a mobile computer, a player with a recording medium, an electronic book, a video camera, a portable telephone, a digital camera, a head-mount display, a car navigation, a projector and a car stereo.

5 [Claim 7]

A semiconductor device comprising:

a first substrate;

a pixel portion over the first substrate;

a driving circuit over the first substrate; and

10 an integrated circuit at least partially overlapped the driving circuit,

wherein the integrated circuit is formed by transcribing an element formation layer formed over a second substrate.

[Claim 8]

The semiconductor device according to claim 7,

15 wherein the integrated circuit is any one of a display controller, a frame memory, a power source circuit, a CPU and a memory.

[Claim 9]

The semiconductor device according to claim 7,

20 wherein the integrated circuit is formed by laminating the integrated circuit in one layer or two or more layers.

[Claim 10]

The semiconductor device according to claim 7,

wherein the pixel portion includes any one of a light-emitting element and a liquid crystal element.

25 [Claim 11]

The semiconductor device according to claim 7,

wherein the pixel portion includes a light-emitting element having a first electrode, an electroluminescent layer and a second electrode,

wherein the first electrode and the second electrode have the translucency.

[Claim 12]

5 The semiconductor device according to claim 7,

wherein the semiconductor device is any one of an active matrix type semiconductor device or a passive matrix type semiconductor device.

[Claim 13]

An electronic device comprising the semiconductor device according to claim 7,

10 wherein the electronic device is any one of a group comprising a display device, a note type personal computer, a mobile computer, a player with a recording medium, an electronic book, a video camera, a portable telephone, a digital camera, a head-mount display, a car navigation, a projector and a car stereo.

[Claim 14]

15 A semiconductor device comprising:

a substrate;

a pixel portion over the substrate;

a driving circuit over the substrate; and

an integrated circuit at least partially overlapped the driving circuit,

20 wherein the integrated circuit is electrically connected to part or an entirety of the pixel portion and the driving circuit.

[Claim 15]

The semiconductor device according to claim 14,

25 wherein the integrated circuit includes any one of a display controller, a frame memory, a power source circuit, a CPU and a memory.

[Claim 16]

The semiconductor device according to claim 14,
wherein the pixel portion includes any one of a light-emitting element and a liquid crystal element.

[Claim 17]

5 The semiconductor device according to claim 14,
wherein the pixel portion includes a light-emitting element having a first electrode, an electroluminescent layer and a second electrode,
wherein the first electrode and the second electrode have the translucency.

[Claim 18]

10 The semiconductor device according to claim 14,
wherein the semiconductor device is any one of an active matrix type semiconductor device and a passive matrix type semiconductor device.

[Claim 19]

15 An electronic device comprising the semiconductor device according to claim 14,
wherein the electronic device is any one of a group comprising a display device, a note type personal computer, a mobile computer, a player with a recording medium, an electronic book, a video camera, a portable telephone, a digital camera, a head-mount display, a car navigation, a projector and a car stereo.

[Claim 20]

20 A semiconductor device comprising:
a first substrate;
a pixel portion over the first substrate;
a driving circuit over the first substrate; and
an integrated circuit at least partially overlapped the driving circuit,
25 wherein the integrated circuit is electrically connected to part or an entirety of the pixel portion and the driving circuit; and

wherein the integrated circuit is formed by transcribing an element formation layer formed over a second substrate.

[Claim 21]

The semiconductor device according to claim 20,
5 wherein the integrated circuit is any one of a display controller, a frame memory, a power source circuit, a CPU and a memory.

[Claim 22]

The semiconductor device according to claim 20,
wherein the integrated circuit is formed by laminating the integrated circuit in one
10 layer or two or more layers.

[Claim 23]

The semiconductor device according to claim 20,
wherein the pixel portion includes any one of a light-emitting element and a liquid crystal element.

15 [Claim 24]

The semiconductor device according to claim 20,
wherein the pixel portion includes a light-emitting element having a first electrode, an electroluminescent layer and a second electrode,
wherein the first electrode and the second electrode have the translucency.

20 [Claim 25]

The semiconductor device according to claim 20,
wherein the semiconductor device is any one of an active matrix type semiconductor device and a passive matrix type semiconductor device.

[Claim 26]

25 An electronic device comprising the semiconductor device according to claim 20,
wherein the electronic device is any one of a group comprising a display device, a

note type personal computer, a mobile computer, a player with a recording medium, an electronic book, a video camera, a portable telephone, a digital camera, a head-mount display, a car navigation, a projector and a car stereo.